

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-104241

(43)Date of publication of application : 17.04.2001

(51)Int.Cl.

A61B 1/00

A61B 5/07

G02B 23/24

(21)Application number : 11-282653

(71)Applicant : ASAHI OPTICAL CO LTD

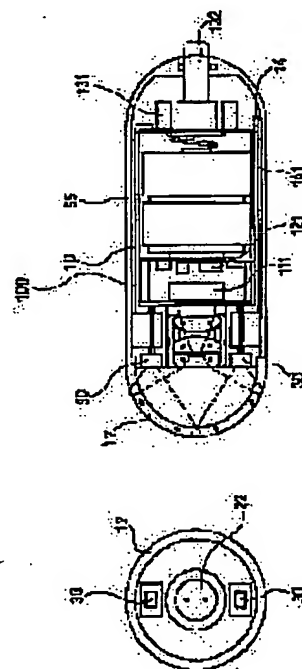
(22)Date of filing : 04.10.1999

(72)Inventor : NINOMIYA ICHIRO  
NAKAJIMA MASAOKI  
NAKAMURA TETSUYA  
FUSHIMI MASAHIRO  
NAKANISHI TAICHI  
EGUCHI MASARU  
OHARA KENICHI

## (54) CAPSULE ENDOSCOPE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a miniaturized and practical capsule endoscope to be assembled easily.  
**SOLUTION:** This capsule endoscope forms an image of an object image illuminated by an illuminator and formed by an objective lens in an image sensor and transmits image signals from the image sensor by radio. The capsule endoscope has an electric element holder barrel integrally formed with a main block supporting the objective lens and the illuminator, a circuit board having at least the image sensor, an image sensor control part for controlling the image sensor and transmitting electric part for radio-transmitting electric signals outputted from the image sensor and an antenna control board having a transmitting antenna wire for sending transmitting signals produced by the transmitting electric part. The antenna control board is wound around the outer surface of the electric element holder barrel.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office